MR FORM 1 Page 1 of 3

MINING	APPLICATION
NO.	
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Du.		.,			

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF CIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utan 84116



NOTICE OF INTENTION TO COMMENCE MINING OPERATIONS (See Rule M of General Rules and Regulations)

1.	Name of Applicant or Company Kennecott Copper Corporation, Tintic Division Corporation (X) Partnership () Individual ()
2.	Address P. O. Box 250, Eureka, Utah 84628 Permanent Temporary
3.	Name and title of erson representing Company Paul L. Hunter
4.	Address P. O. Box 250, Eureka, Utah 84628 Office Phone 801-433-6854
5.	Location of Operation Juab Sec. 19 & 30 T. 10 S R. 2 W County
6.	Name of Mine Mammoth Mine
7.	Mineral to be mined: () Coal () Flagstone See Appendix A; paragraph 1 () Copper () Gravel () Manganese () Shale () Iron Ore () Uranium () Phosphate () Gilscnite () Potash () Bituminous Sandstone () Fluorspar () Tungsten (X) Other (Specify) Silver, gold, lead, copper
	Have you or any Person, Partnership or Corporation associated with you received an approved Notice of Intention to Commence Mining Operations by the State of Utah for operations other than described herein? () Yes (X) No yes, list all approval numbers now under surety:
9.	Owner/Owners of record of the surface area within the land to be affected: See Appendix A; paragraph 2 Address Address
	Address

10	. Owner/Owners of record o	f minerals to	be mined:	
	Same as #9 above.		Address	
			Address	
			Address	
			Address	
11.	Owner/Owners of record of affected:	f all other m	inerals withir	
	Same as #9 above.		_ Address	
			Address	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		_ Address	
			Address	
lla	. Have the above owners been	n notified in		
12.	Source of Operator's legal to be covered by the Notic Owners shown in Appendix	ce a lease a	ing Agreement	et operations on land between Operator and the
13.	Approximate acreage to be Less than 2 acres per 3	disturbed:	۷.	
	Mining operation area (inc	clude operation	ons, storage,	and disposal area):
			1.0	acres +
	Access Road or Haulageway:		•5	acres +
	Drainage System:			acres =
	Total Acres:			acres
14.	Give the names and post of Officer, Partner, (or Pers Name	fice addresse on performing Title	a similar ful	incipal Executive, nction) of Applicant: Address Kennecott Copper Corporation
	a, H. H. Kremer		Metal Mining	161 East 42nd Street
	b. P. L. Hunter	Division General Man		New York, New York 10017 Kennecott Copper Corporation
	С,	Tintic Divi	sion	P. 0. Box 250 Eureka, Utah 84628
	d.			
	Has Applicant, any Subsidia Association, Trust or Corpo with Applicant, or any Pers had an approval of a Notice thereto ever been forfeited	on required to of Intention	olled by ar un o be identifi withdrawn ar	der common control

MR FORM 1 Page 3 of 3

If yes, explain:

STATE OF	UTAH	
COUNTY OF	JUAB	
I,	Paul L. Hunter	, having been duly sworn
depose and a	ttest that all of the	representations contained in the foregoing
application	are true to the best o	of my knowledge; that I am authorized to
complete and	file this application	on behalf of the applicant and this
application 1	has been executed as r	Signed: Saul L. Sunter
Tal	ken, subscribed and sw	orn to before me the undersigned authority
	on Expires:	Notary Public: Fullank (1) Phum
	//	

MR FORM 2 Page 1 of 3

MINING .	APPLICATION
NO.	
Date:	

STATE OF UTAH
DEPARIMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN
(Other forms may be used in lieu of MRA 2, provided they contain the same information.)

1.	Name of Applicant or Company Kennecott Copper Corporation, Tintic Di
2.	Proposed type of operation Underground Mine
3.	(a) Prior Land Use(s) Mining
	(b) Current Land Use(s) Mining
	(c) Possible or Prospective Future Land Use(s) Mining
4.	What vegetation exists on the land proposed to be affected The land
	involved is the existing surface plant area of the Mammoth Mine.
	(a) Types and Estimated Percent Cover or Density: N/A
5.	What is the range pH of soil before mining? N/A pH.
	Name of Person or Agency and method of determining pH
	The of Person of Agency and method of determining pri
5.	Site elevation above sea level6,950 feet
7.	In case of coal, oil shale, and bituminous sandstone:
	Principal seam(s) and thickness(es)
3.	Estimated duration of mining operations 20 years
9.	Has overburden, waste or rejected materials been classified as acid or
	alkali producing? () Yes (X) No Does the above material being moved have any other characterisitics
	affecting revegetation? No
.0.	Will any underground workings or aquifers be encountered? (X) Yes Describe See Appendix A; paragraph 3
	Is there an active discharge of water from abandoned deep mines on or crossing the land affected? () Yes (X) No If Yes, describe the quality of water being discharged.

- 11. Describe specifically a detailed procedure for: See Appendix B.
 - a. The mining sequence.
 - b. The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
 - c. The procedure for site preparation including removing trees and brush.
 - d. The method for removing and stockpiling topsoil or disturbed materials,
 - e. The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.
 - f. A procedure for final stabilization of disturbed materials.

GFADING AND REGRADING

Specifically describe: See Appendix B.

- a. Typical cross-section of regrading.
- b. The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- c. What type of soil treatment will be utilized.
- d. The method of drainage control for the final regraded area.
- e. Maximum grading slope.

	Control of the contro			
	TESTIN	VG		
1.	See Appendix B. a. Describe method for testing stabili	ity c	reclamation fill	material.
	b. Describe method for the testing of vegetation.	soíl	that is intended t	to support
2.				1.
3.	Describe surface preparation of areas i	ntend	ed to support vege	etation:
			the two lone is actively have been been been been been been been about the state of	
			and the second s	
			The second secon	
	REVEGET	CITAL	1	
L.	Revegetation to be completed by:			
	(A) Operator	()	Hydroseeding	
	() Soil Conservation District	()	Aeria: Seeding	
	() Private Contractor	()	Conventional or F	Cangelland Drill
	(Name)	()	Other (Specify)	See Appendix B
	() Other (Specify)			occ ripperiorn D
•	Will Mulch Be Used?			
	Type No	Rate	/Acre	
		- Luice	TICLE	lbs.

3. Revegetation Plan and schedule - See Appendix B

	Rate/	Planting	Facing	Season to
Species	acre	location	N-S-E-W	to be Replanted
			Territoring and the Commission of the Commission	- summaring contracts the summaring contracts and contracts and contracts are contracts and contracts are contracts and contracted and contracts and contracts are contracts and contracts are contracted and contracts and contracts are contracted and contracts and contracts are contracted and contracts are contracted and contracts are contracted and contracts are contracted and contracts and contracts are contracted and contracts are contracted and contracts and contracts are contracted and contracts are contracted and contrac
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				The tendence of tendence of the tendence of tendence of tendeco of tendence of tendence of tendence of tendence of tendence of
Will affected a (X) No Will	rea be subject	t to livestock protection be ne	or wildlife g	razing: () yes
() 1/0 // 1/1	vegetation p	rotection be ne	eded.	
			and anti-more contribution contribution of the	
Will irrigation	be used?	() Yes (X)	No Type	
	De abea.	() 1es (A.	, NO TAPE	
Describe mainte	nance procedu	res for revegeta	ation if neede	d, until surety
release is gran	ted.		Teach II liceac	a, and barety
the undersign	ned Omanatan	horoby submit		.mades -
I, the undersign	ned Operator,	hereby submit t	his to be my l	Reclamation and
uning-plan for	the area show	on the attach	ed map. I fu	Reclamation and
ining plan for that the operat:	the area show ion will be co	wn on the attach onducted in acco	ed map. I fur rdance with the	Reclamation and other understand he Mined Land
ining plan for that the operat:	the area show ion will be co	wn on the attach onducted in acco	ed map. I fur rdance with the	Reclamation and
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thing plan for that the operation Act thereunder.	the area show ion will be compared of 1975, and	on on the attach onducted in accor all rules and r	ed map. I furdance with the sgulations curson. December 2. December 2. December 2. December 2. December 2. December 2. December 3. Decembe	Reclamation and other understand he Mined Land crently in effect ate June 10,197
Ining plan for that the operation Act thereunder. Signed January Taken.	the area show ion will be come of 1975, and subscribed a	on on the attach	rdance with the gulations cur _ Operator, Dance me the unc	Reclamation and other understand he Mined Land crently in effect ate June 10,197
Ining plan for that the operation Act thereunder. Signed January Taken.	the area show ion will be come of 1975, and subscribed a	on on the attach onducted in accor all rules and r	rdance with the gulations cur _ Operator, Dance me the unc	Reclamation and other understand he Mined Land
Ining plan for that the operation Act thereunder. Signed January Taken.	the area show ion will be come of 1975, and subscribed a	on on the attach onducted in according all rules and rules and rules and rules and rules and sworn to be day of June	rdance with the gulations cur _ Operator, Dance me the unc	Reclamation and other understand he Mined Land orently in effect ate June 10,1970 dersigned authorities
Ining plan for that the operation Act thereunder. Signed January Taken.	the area show ion will be come of 1975, and subscribed at the subs	on on the attach onducted in according all rules and rules and rules and rules and rules and sworn to be day of June	rdance with the egulations curson of the contract of the contr	Reclamation and other understand he Mined Land crently in effect ate June 10,1970 dersigned authority, 19 76
Ining plan for that the operation Act thereunder. Signed January Taken, in my said count	the area show ion will be come of 1975, and subscribed at the subs	on on the attach onducted in according all rules and rules and rules and rules and rules and sworn to be day of June	rdance with the egulations curson of the contract of the contr	Reclamation and other understand he Mined Land crently in effect ate June 10,1970 dersigned authority, 19 76

MINING AND RECLAMATION PLAN APPENDIX A

- 1. The mining operation will be underground and will utilize a combination of methods ranging from open stoping to shrink stoping. Ground conditions and ore habits require a highly flexible operation not amenable to long range planning.
 - 2. Mammoth Mining Company, Box 20, Eureka, Utah.
 Mammoth No. 2 Mining Company, Box 20, Eureka, Utah.
 Gold Chain Mining Company, Box 20, Eureka, Utah.
 Opohongo Mining Company, Box 20, Eureka, Utah.
 Cleveland Mining Company, Box 20, Eureka, Utah.
 Utah Consolidated Mining Company, Box 20, Eureka, Utah.
- 3. Existing mines will be reopened and some present underground working utilized. Some water will be encountered in lower workings. This water will be discharged into available workings without being brought to the surface.

MINING AND RECLAMATION PLAN APPENDIX B

Ore, presently available, will be mined using existing workings. Exploration and development will be initiated to provide continuing ore reserves. All development waste rock will be utilized as backfill in presently unfilled stopes and in new stopes as opened.

Present access roads will be maintained to prevent conditions detrimental to the general area. The existing surface plant area will be utilized and will not require additional site preparation.

Existing dumps will be shipped for processing as economic conditions warrant. Upon removal of old dump material and exposure of pre-dump original surfaces, indigenous vegetation will be seeded using the most efficient method available at the time of reseeding.

MR FORM 1 Page 1 of 3

MINING	APPLICATION
NO	
Date:	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF CIL, GAS AND MINING
1588 West North Tumple
Salt Lake City, Utan 84116

NOTICE OF INTENTION TO COMMENCE MINING OPERATIONS (See Rule M of General Rules and Regulations)

	(See Rule M of General Rules and Regulations)
1.	Name of Applicant or Company Corporation (X) Kennecott Copper Corporation, Tintic Division Fartnership () Individual ()
2.	Address P. O. Box 250, Eureka, Utah 84628
	Permanent Temporary
3.	Name and title of erson representing Company Paul L. Hunter
4.	Address P. O. Box 250, Eureka, Utah 84628 Office Phone 801-433-6854
	Location of Operation Juab Sec. 19 & 30 T. 10 S R. 2 W County
6.	Name of MineMammoth Mine
7.	Mineral to be mined: () Coal () Flagstone See Appendix A; paragraph 1 () Copper () Gravel () Manganese () Shale () Iron Ore () Uranium () Phosphate () Gilsonite () Potash () Bituminous Sandstone () Fluorspar () Tungsten (X) Other (Specify) Silver, gold, lead, copper
8.	Have you or any Person, Partnership or Corporation associated with you received an approved Notice of Intention to Commence Mining Operations by the State of Utah for operations other than described herein? () Yes (X) No
If	yes, list all approval numbers now under surety:
-	
9.	Owner/Owners of record of the surface area within the land to be affected: See Appendix A; paragraph 2 Address
	Address
	Address

10.	Owner/Owners of record of	f minerals to	o be mined:	
	Same as #9 above.		Address	
			Address	
			Address	
			Address	
11.	Owner/Owners of record of affected:	all other n	minerals withir	any part of the land
	Same as #9 above.		Address	
			Address	
			^	
			Address	
17-	U the share sh			
ца.	Have the above Owners beer (X) Yes	notified in	n writing? () No	
	<u> </u>			
12.	Source of Operator's legal to be covered by the Notic Owners shown in Appendix	ce A Lease	and Agreement	t cperations on land between Operator and the
13.	Approximate acreage to be Less than 2 acres per y	disturbed:		
	Mining operation area (inc	lude operati	ons, storage.	and disposal area):
			1.0	
	Access Road or Haulageway:		•5	acres +
	Drainage System:			acres =
	Total Acres:			acres
	Give the names and next as	51		·
•	Give the names and post of: Officer, Partner, (or Perso	rice address on performin	es of every pr g a similar fur	incipal Executive,
	Name	Tit	le	Address
	a, H. H. Kremer	President,	Metal Mining	Kennecott Copper Corporation 161 East 42nd Street
	b. P. L. Hunter	Division General Ma		New York, New York 10017
	Dr Dr. Hadroot	Tintic Div		Kennecott Copper Corporation P. U. Box 250
	С,			Eureka, Utah 84628
	d.			
	Was Appliant and S			
	Has Applicant, any Subsidia Association, Trust or Corpo	ry or Affili	ate or any Per	scn, Partnership,
	The state of all the state of t	on required	to be identis	-J L . I L
C . 9 9 8 50	approvat of a notice	of intentio	n withdrawn cr	has surety relating
	thereto ever been forfeited	? Yes () N.	(X)

If yes, explain:

STATE OF UTAH
COUNTY OFJUAB
I, Paul L. Hunter , having been duly sworn
depose and attest that all of the representations contained in the foregoing
application are true to the best of my knowledge; that I am authorized to
complete and file this application on behalf of the applicant and this
application has been executed as required by law.
Signed: Land L. Junter
Taken, subscribed and sworn to before me the undersigned authority
in my said county, this 10 dd day of the , 1976
Notary Public: Fullrick (Votume)
My Commission Expires: 1979

MR FORM 2 Page 1 of 3

MINING .	APPLICATION
NO.	
Date:	

STATE OF UTAH
DEPARIMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MRA 2, provided they contain the same information.)

Name	e of Applicant or Company	Kennecott Copper Corporation, Tintic
Prop	osed type of operation _	Underground Mine
	(a) Prior Land Use(s)	Mining
((b) Current Land Use(s)	Mining **
((c) Possible or Prospecti	ve Future Land Use(s) Mining
What	vegetation exists on the	land proposed to be affected The lan
in	volved is the existing su	rface plant area of the Mammoth Mine.
(a)	Types and Estimated Perc	ent Cover or Density: N/A
Site	elevation above sea leve	16,950 feet
In c	ase of coal, oil shale, a	nd bituminous sandstone:
Prin	cipal seam(s) and thicknes	ss(es)
Estir	mated duration of mining o	operations 20 years
Does	Li producing? () Yes	moved have any other characterisitics
Will Descr	any underground workings ribe See Appendix A; p	or aquifers be encountered? (X) Yes
cross	nere an active discharge of sing the land affected? (ty of water being discharge)	of water from abandoned deep mines on o) Yes (X) No If Yes, describe to

2. Will Mulch Be Used?

Type ______No

Page 2 of 3 11. Describe specifically a detailed procedure for: See Appendix B. The mining sequence. The procedure for constructing and maintaining access roads, to include b. a typical cross-section and a profile of the proposed road grades. c. The procedure for site preparation including removing trees and brush. d. The method for removing and stockpiling topsoil or disturbed materials, e. The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material. A procedure for final stabilization of disturbed materials. f. GRADING AND REGRADING Specifically describe: See Appendix B. a. Typical cross-section of regrading. b. The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material. c. What type of soil treatment will be utilized. d. The method of drainage control for the final regraded area. e. Maximum grading slope. TESTING See Appendix B. 1. a. Describe method for testing stability of reclamation fill material. b. Describe method for the testing of soil that is intended to support vegetation. 2. Describe any soil treatment employed as an aid to revegetation. 3. Describe surface preparation of areas intended to support vegetation: REVEGETATION 1. Revegetation to be completed by: (X) Operator () Hydroseeding() Asria: Seeding () Soil Conservation District () Private Contractor () Contentional or Rangeland Drilling () Other (Specify) See Appendix B () Other (Specify)

Rate Acre

3. Revegetation Plan and schedule - See Appendix B

Will affected area be s (X) No Will vegetat Will irrigation be used Describe maintenance procedease is granted. Taken, subscription my said county, this	abject to live on protection	on be ne	eeded?	fe graz	
Will irrigation be used Describe maintenance proceeds is granted. the undersigned Operation plan for the area hat the operation will beclamation Act of 1975, hereunder. Taken, subscri	() Y	on be ne	eeded?	pe	
Will irrigation be used Describe maintenance proceeds is granted. the undersigned Operation plan for the area hat the operation will beclamation Act of 1975, hereunder. Taken, subscri	() Y	on be ne	eeded?	pe	
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the undersigned Operation for the area hat the operation will declamation Act of 1975, hereunder. Taken, subscri	ceddres 101.		ation ii i	needed,	until surety
the undersigned Operation of the area hat the operation will eclamation Act of 1975, hereunder igned Taken, subscri				•	
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that the operation will declamation Act of 1975, hereunder figned fact find the Taken, subscri					
that the operation will declamation Act of 1975, hereunder figned fact find the Taken, subscri					ente.
rat the operation will eclamation Act of 1975, hereunder igned Taken, subscri	tor, hereby s	submit t	this to be	e my Rec.	lamation and
rat the operation will eclamation Act of 1975, hereunder igned Taken, subscri	shown on the	e attach	ned map.	I furth	er understand
igned Jant 1.	be conducted	in acco	rdance wi	ith the !	Mined Land
igned Jant 1:	and all rule	es and r	regulation	ns curre	ntly in effect
Taken, subscri					
Taken, subscri	, / , _				
Taken, subscri	71=71	3	Coerato	r. Date	T. 10 107
Taken, subscri n my said county, this	- June		_ operate	, batte	DUNG 10, 191
n my said county, this	ed and sworn	n to bot	ica ma sh	o undom	nionad subbania
my card country, this	the day	I to ber	ore me m	ie miders	signed authorit
	10 - day	CI	NE		, 19 76 ·
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MINING AND RECLAMATION PLAN APPENDIX A

- 1. The mining operation will be underground and will utilize a combination of methods ranging from open stoping to shrink stoping. Ground conditions and ore habits require a highly flexible operation not amenable to long range planning.
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MINING AND RECLAMATION PLAN APPENDIX B

Ore, presently available, will be mined using existing workings. Exploration and development will be initiated to provide continuing ore reserves. All development waste rock will be utilized as backfill in presently unfilled stopes and in new stopes as opened.

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MR FORM 1 Page 1 of 3

MINING	APPLICATION
NO	
Data	
Date:	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utan 84116

NOTICE OF INTENTION TO COMMENCE MINING OPERATIONS (See Rule M of General Rules and Regulations)

	(See Rule M of General Rules and Regulations)
	Name of Applicant or Company Kennecott Copper Corporation, Tintic Division Corporation (X) Fartnership () Individual ()
	Address P. O. Box 250, Eureka, Utah 84628 Permanent Temporary
3.	Name and title of erson representing Company Paul L. Hunter
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6.	Name of Mine Mammoth Mine
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	Address
	Address

10.	Owner/Owners of record of	minerals to be mined:	
	Same as #9 above.	Address	
		Address	
		Address	
		Address	
11.	Owner/Owners of record of affected:	all other minerals within	any part of the land
	Same as #9 above.	Address	
		Address	
		Address	
		Address	
12.	Source of Operator's legal to be covered by the Notice Owners shown in Appendix A Approximate acreage to be of Less than 2 acres per year	e A Lease and Agreement A; paragraph 2. disturbed:	t operations on land between Operator and the
	Mining operation area (inc.		and disposal area):
	** ·*	1.0	acres +
	Access Road or Haulageway:	5	acres +
	Drainage System:		acres =
	Total Acres:		acres
14.	Give the names and post off Officer, Partner, (or Perso Name	fice addresses of every properties of performing a similar full title	incipal Executive, nction) of Applicant: Address Kennecott Copper Corporation
	a, H. H. Kremer	President, Metal Mining	161 East 42nd Street
	b. P. L. Hunter	Division General Manager Tintic Division	New York, New York 10017 Kennecott Copper Corporation P. O. Box 250
	C,	TIMOTE DIVISION	Eureka, Utah 84628
	d.		
5.	Has Applicant, any Subsidia	ry or Affiliate or any Per	escn. Partnership.
	Association, Trust or Corpo with Applicant, or any Pers had an approval of a Notice thereto ever been forfeited	ration controlled by ce or on required to be identifi of Intention withdrawn cr	ider common control

If yes, explain:

STATE OF UTAH
COUNTY OFJUAB
I, Paul L. Hunter, having been duly sworn
depose and attest that all of the representations contained in the foregoing
application are true to the best of my knowledge; that I am authorized to
complete and file this application on behalf of the applicant and this
application has been executed as required by law. Signed: Land L. Jantes
Taken, subscribed and sworn to before me the undersigned authority
in my said county, this 10 day of 1000, 1976 Notary Public: Tullouk (Freemann) My Commission Expires: 1979

MR	FO	PI	1	2	
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MINING A	APPLIC	CATI	ON
NO			
Date:			

STATE OF UTAH
DEPARIMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN
(Other forms may be used in lieu of MRA 2, provided they contain the same information.)

1.	Name of	Applicant or Company	Kennecott Copper Corporation, Tintic Divisi
2.	Propose	d type of operation	Underground Mine
3.	(a)	Prior Land Use(s)	Mining
	(b)	Current Land Use(s)	Mining
	(c)	Possible or Prospectiv	ve Future Land Use(s) Mining
4.	What ve	getation exists on the	land proposed to be affected The land
	invol	ved is the existing sur	face plant area of the Mammoth Mine.
	(a) Ty	pes and Estimated Perce	ent Cover or Density:N/A
5.	What.is	the range pH of soil be	efore mining? N/A pH.
	. Name of	Person or Agency and m	ethod of determining pH
6.	Site ele	evation above sea level	6,950 feet
7.	In case	of coal, oil shale, and	d bituminous sandstone:
	Principa	al seam(s) and thickness	s(es)
8.	Estimate	ed duration of mining op	perations 20 years
	Does the	producing? () Yes	noved have any other characterisitics
10.	Will any Describe	underground workings of See Appendix A; pa	or aquifers be encountered? (X) Yes () aragraph 3
	Cross Ing	an active discharge of the land affected? (of water being discharg	water from abandoned deep mines on or) Yes (X) No If Yes, describe the

2. Will Mulch Be Used?

Type

Page 2 of 3 11. Describe specifically a detailed procedure for: See Appendix B. The mining sequence. The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades. c. The procedure for site preparation including removing trees and brush. d. The method for removing and stockpiling topsoil or disturbed materials, e. The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material. f. A procedure for final stabilization of disturbed materials. GFADING AND REGRADING Specifically describe: See Appendix B. a. Typical cross-section of regrading. b. The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material. c. What type of soil treatment will be utilized. d. The method of drainage control for the final regraded area. e. Maximum grading slope. TESTING See Appendix B. 1. a. Describe method for testing stability of reclamation fill material. b. Describe method for the testing of soil that is intended to support vegetation. 2. Describe any soil treatment employed as an aid to revegetation. 3. Describe surface preparation of areas intended to support vegetation: REVEGETATION Revegetation to be completed by: (X) Operator () Hydroseeding () Soil Conservation District () Aeria: Seeding () Private Contractor () Commentional or Rangeland Drilling) Other (Specify) See Appendix B () Other (Specify)

Rate Acre

3. Revegetation Plan and schedule - See Appendix B

Species	Rate/ acre	Planting location	Facing N-5-E-W	Season to to be Replanted
Species	acre	100at1011	M-Q-T-M	to be kepitalitie
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release is gran	ted.			
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MINING AND RECLAMATION PLAN APPENDIX A

- 1. The mining operation will be underground and will utilize a combination of methods ranging from open stoping to shrink stoping. Ground conditions and ore habits require a highly flexible operation not amenable to long range planning.
 - 2. Mammoth Mining Company, Box 20, Eureka, Utah.
 Mammoth No. 2 Mining Company, Box 20, Eureka, Utah.
 Gold Chain Mining Company, Box 20, Eureka, Utah.
 Opohongo Mining Company, Box 20, Eureka, Utah.
 Cleveland Mining Company, Box 20, Eureka, Utah.
 Utah Consolidated Mining Company, Box 20, Eureka, Utah.
- 3. Existing mines will be reopened and some present underground working utilized. Some water will be encountered in lower workings. This water will be discharged into available workings without being brought to the surface.

MINING AND RECLAMATION PLAN APPENDIX B

Ore, presently available, will be mined using existing workings. Exploration and development will be initiated to provide continuing ore reserves. All development waste rock will be utilized as backfill in presently unfilled stopes and in new stopes as opened.

Present access roads will be maintained to prevent conditions detrimental to the general area. The existing surface plant area will be utilized and will not require additional site preparation.

Existing dumps will be shipped for processing as economic conditions warrant. Upon removal of old dump material and exposure of pre-dump original surfaces, indigenous vegetation will be seeded using the most efficient method available at the time of reseeding.